

FIG. 1

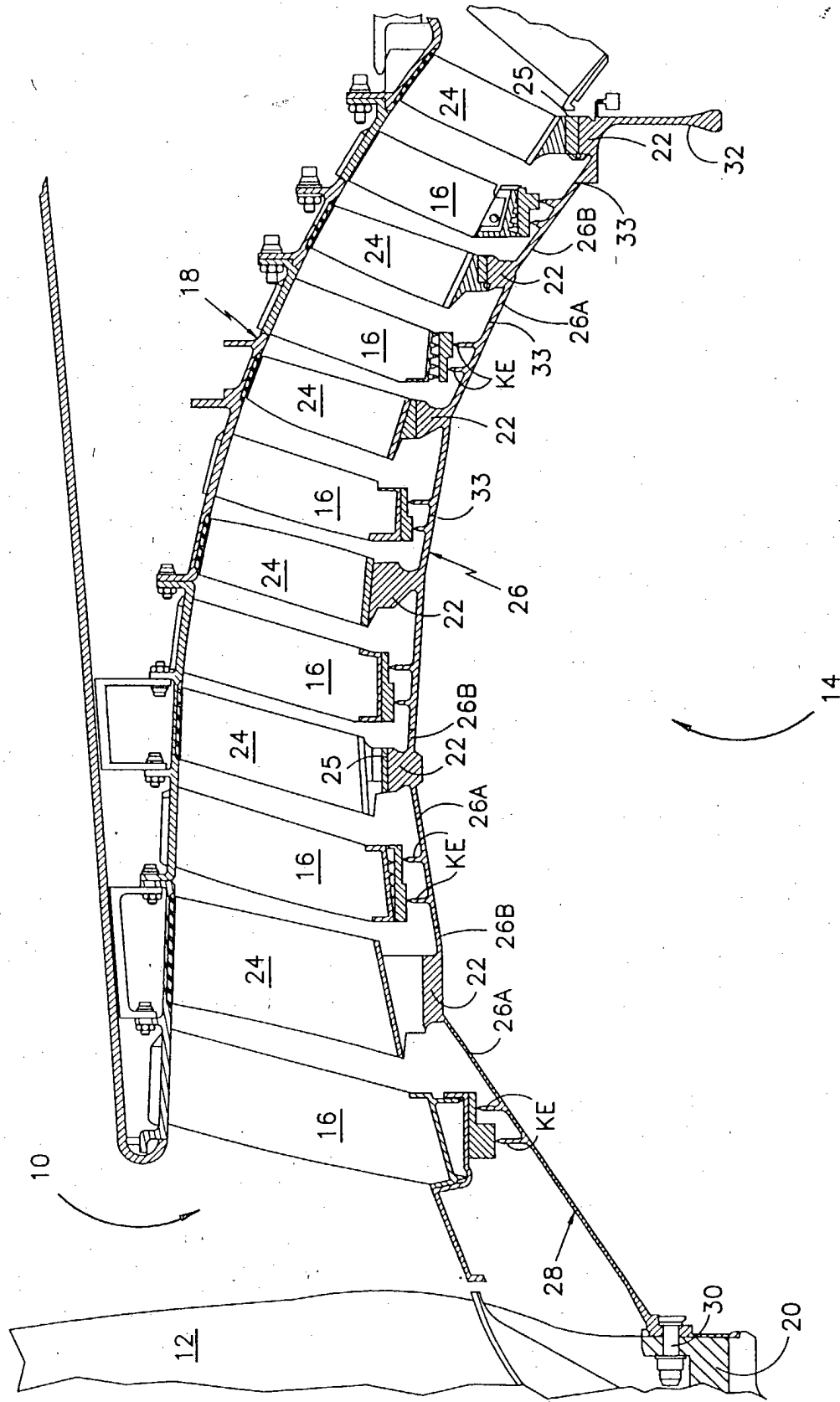


FIG.2A

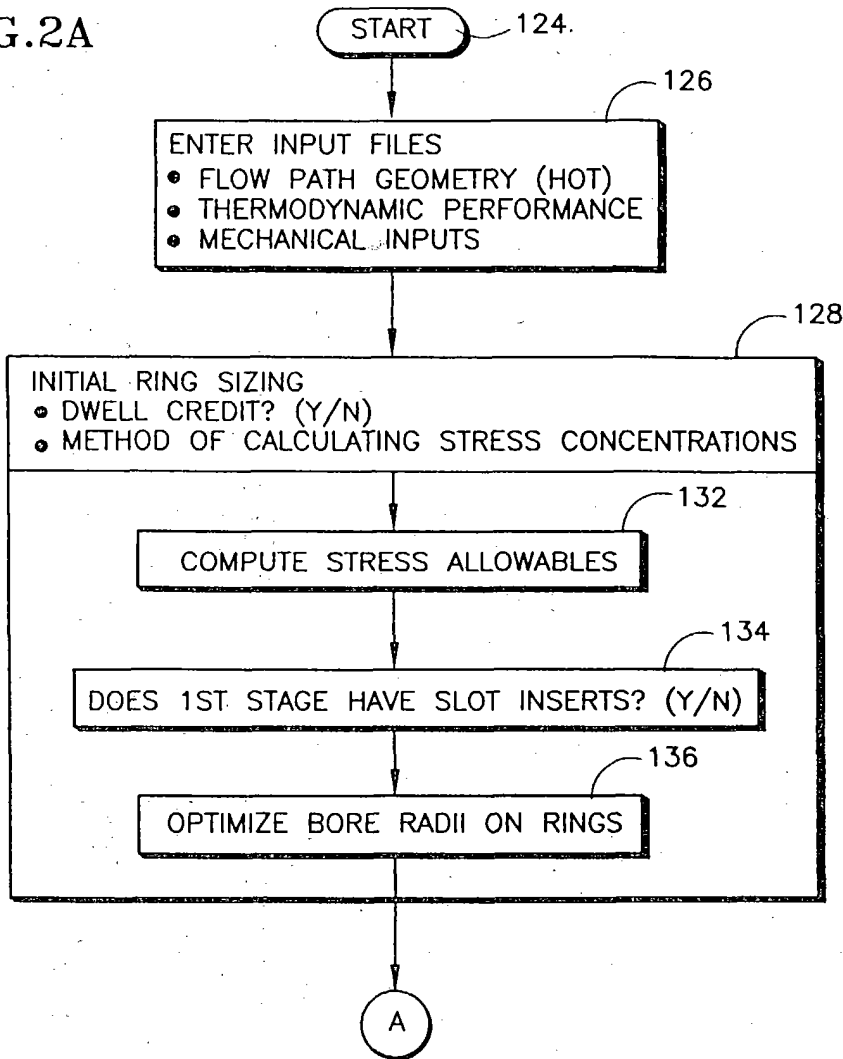


FIG.2B

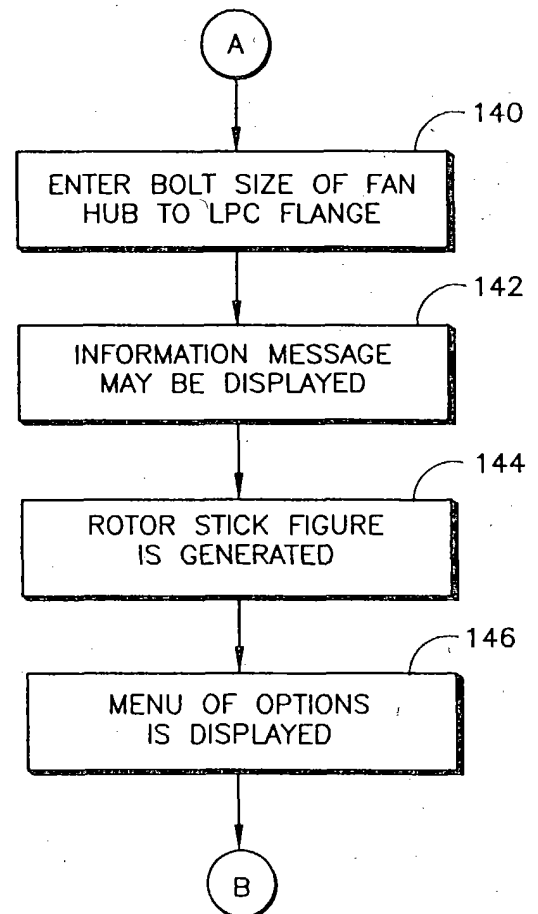


FIG.2C

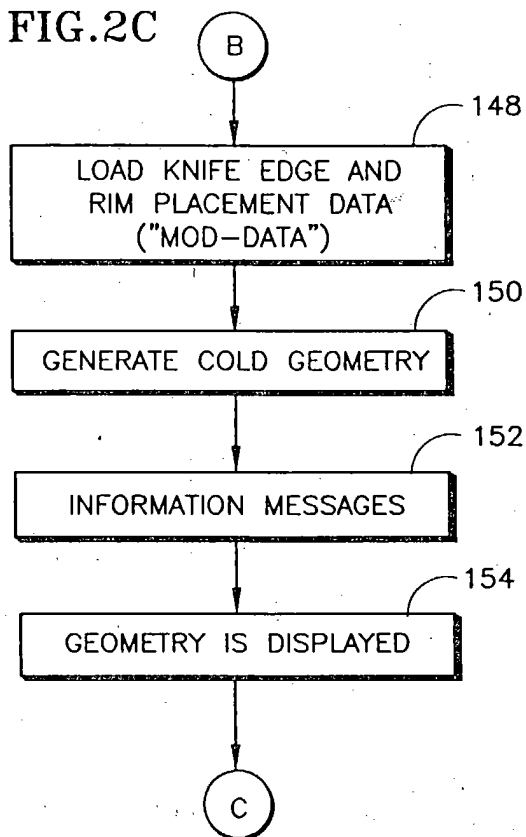


FIG.2D

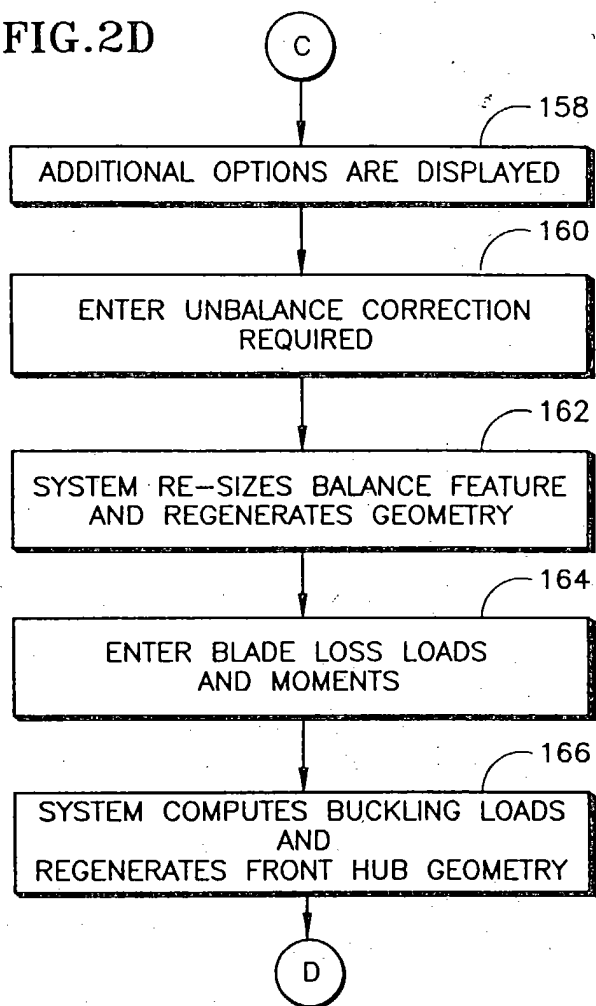


FIG.2E

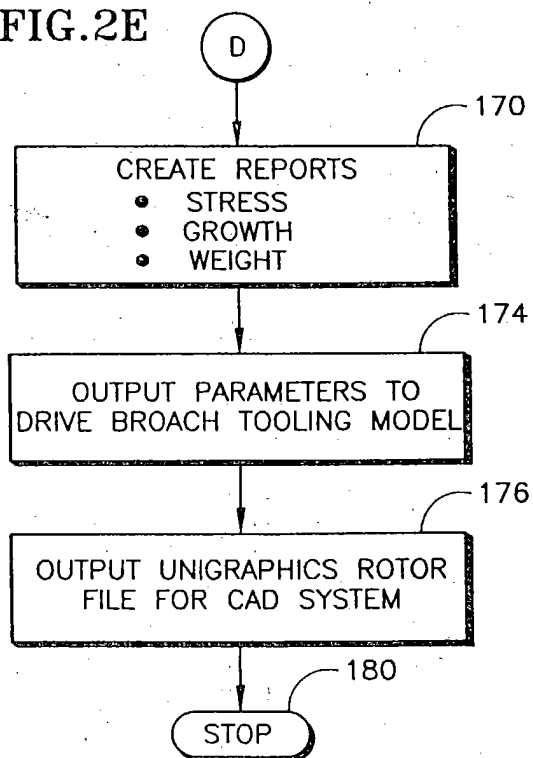


FIG.3

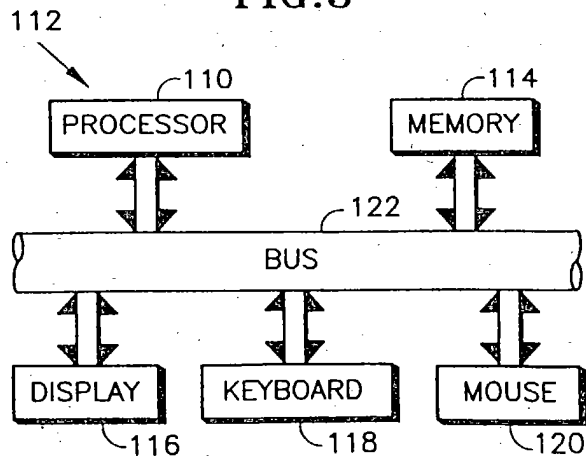


FIG.4

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Initial Ring Sizing

Update!

Accept!

Validate!

Dwell Credit

Dwell Credit?: ☐ Yes ☒ No

Dwell Credit:

Cycles:

Gross Cycles:

Kt Calc Method

Stage:

Method:

User Entered

User Entered

User Entered

User Entered

User Entered

User Entered

Hoogewerff

Hoogewerff

Hoogewerff

Hoogewerff

Hoogewerff

Hoogewerff

Kt value:

Kt Calc Method Results

Run U553!

Stage:

Concentrated Stress:

Hoop Stress:

Optimize Bore IDs on Rings!

FIG. 5

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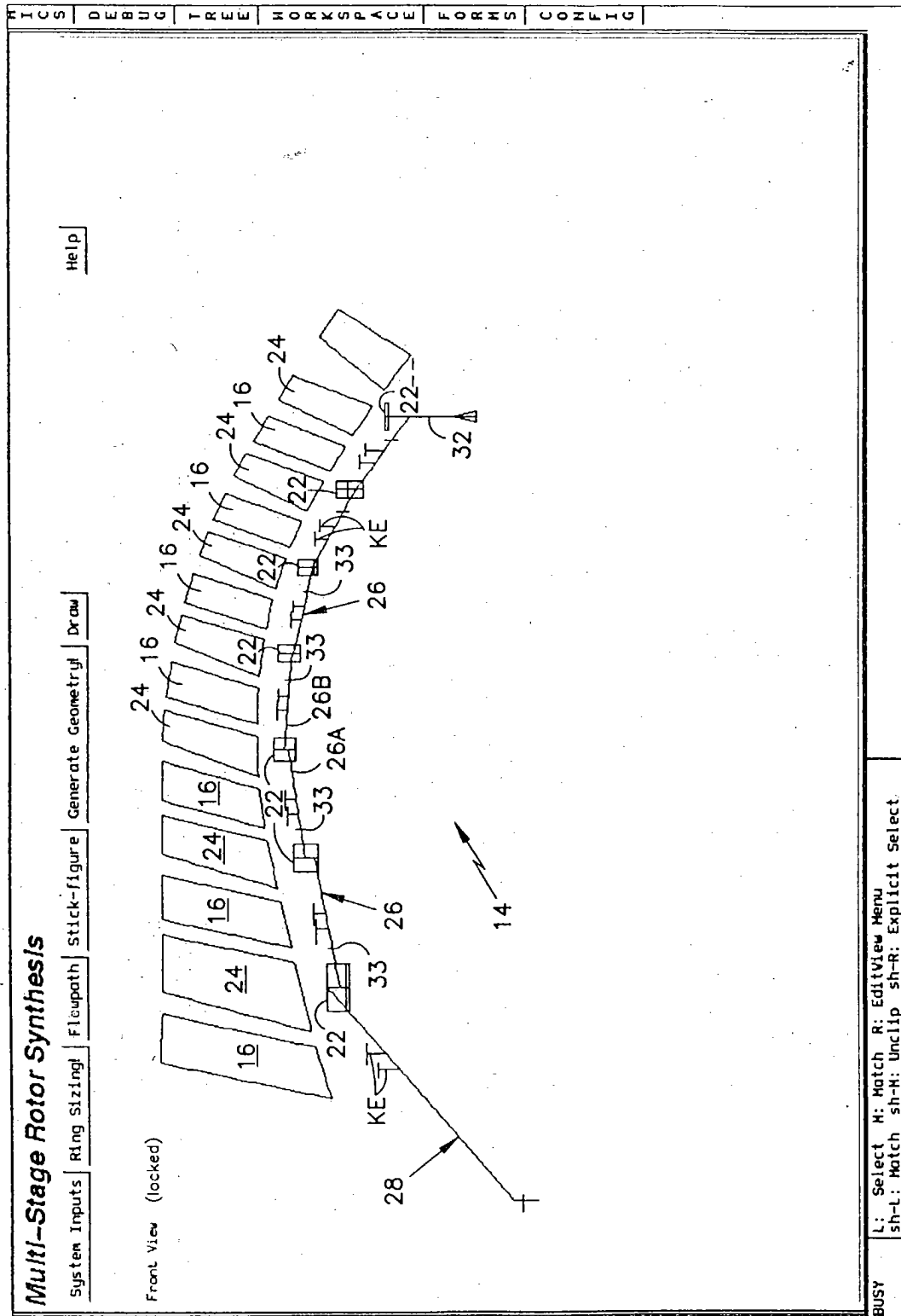


FIG.6A

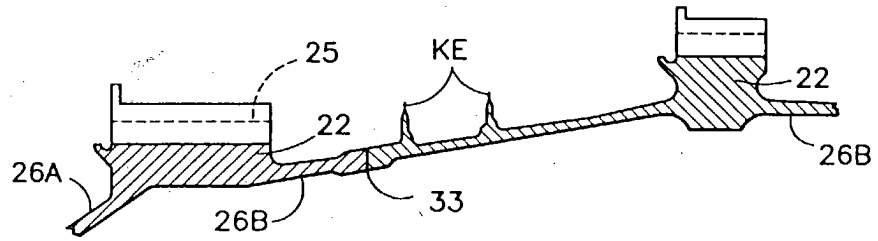


FIG.6B

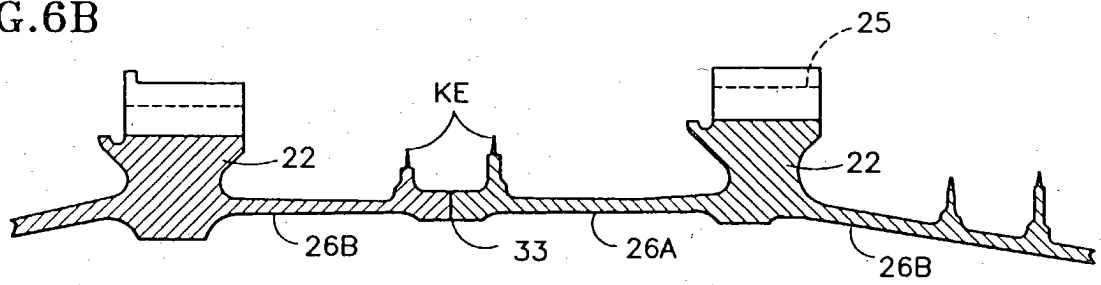


FIG.6C

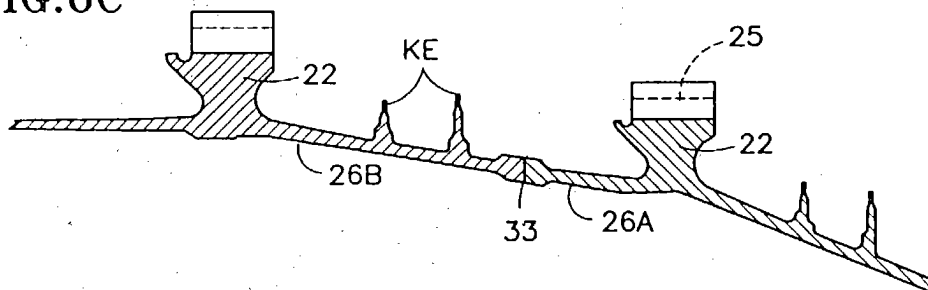


FIG. 7

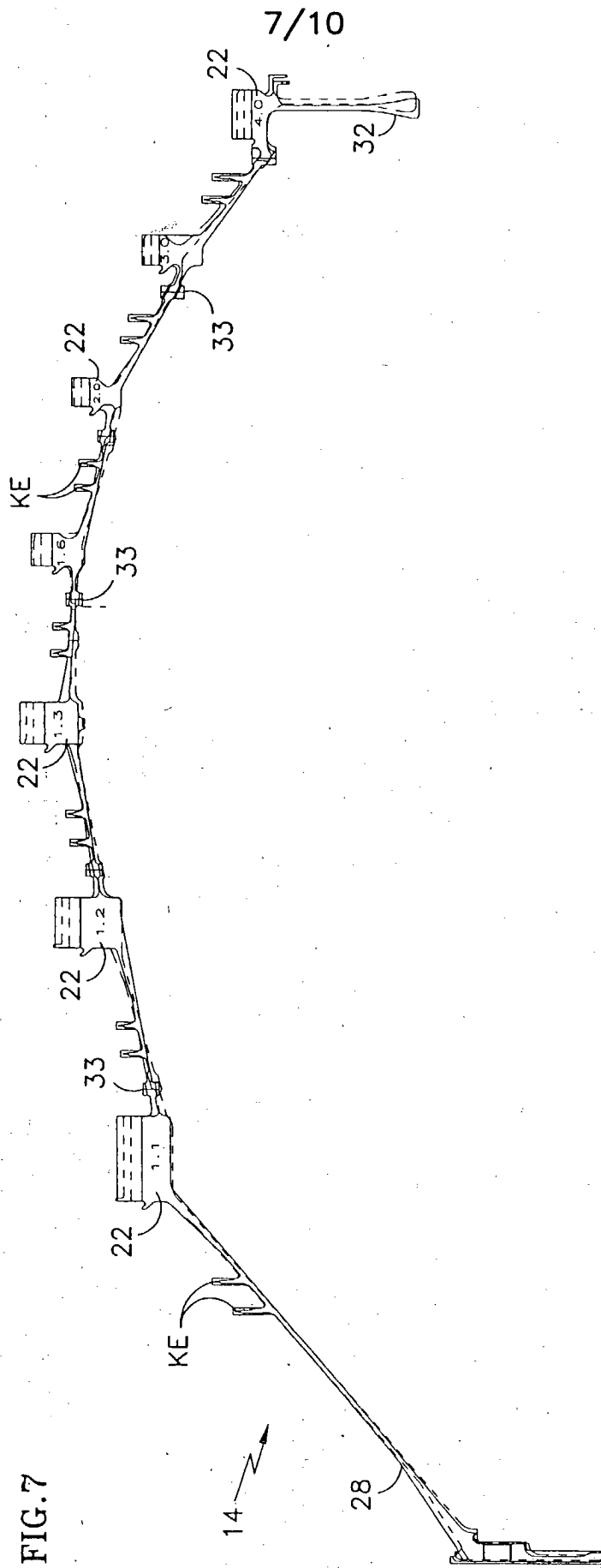


FIG.8

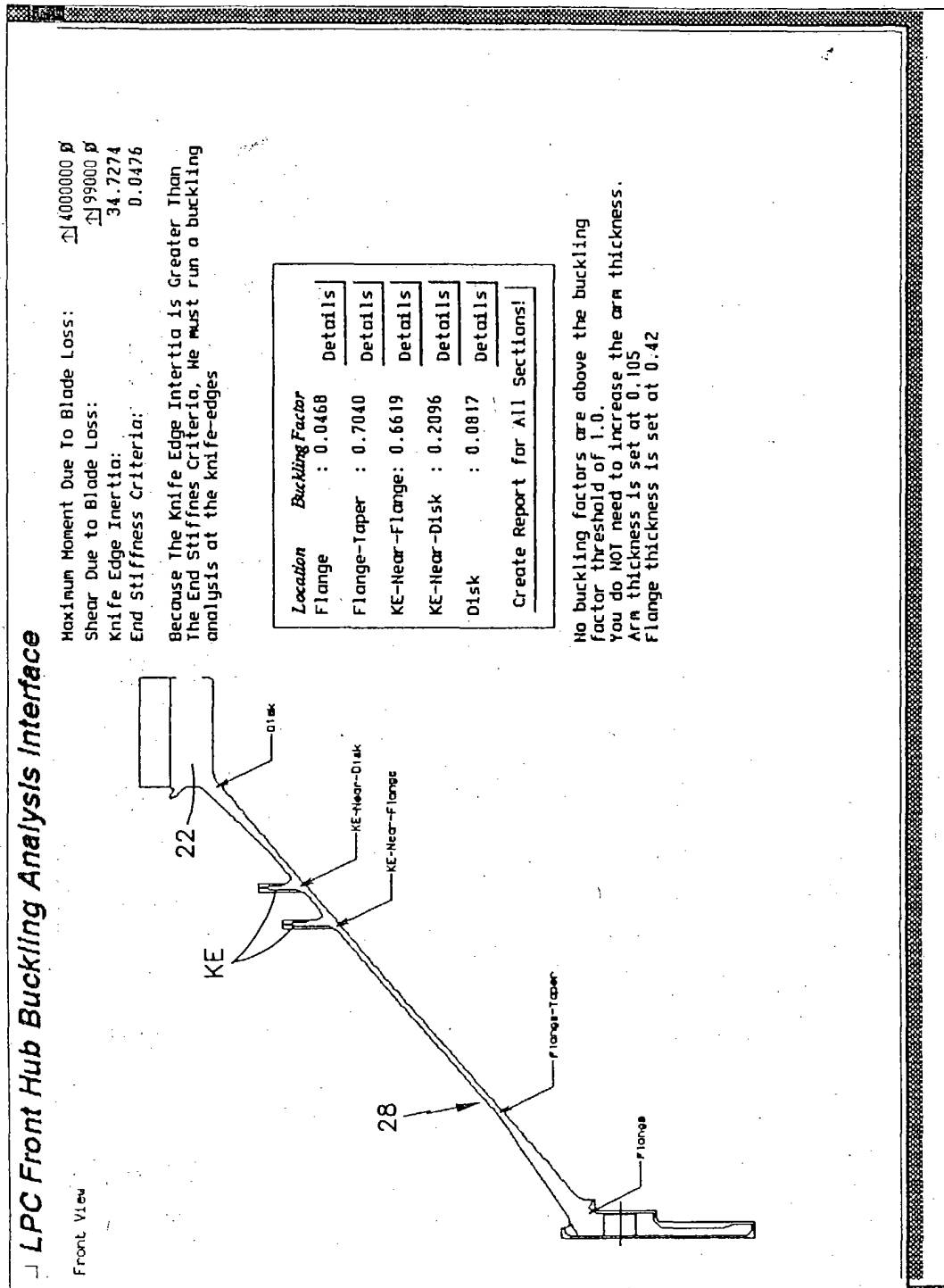


FIG. 9

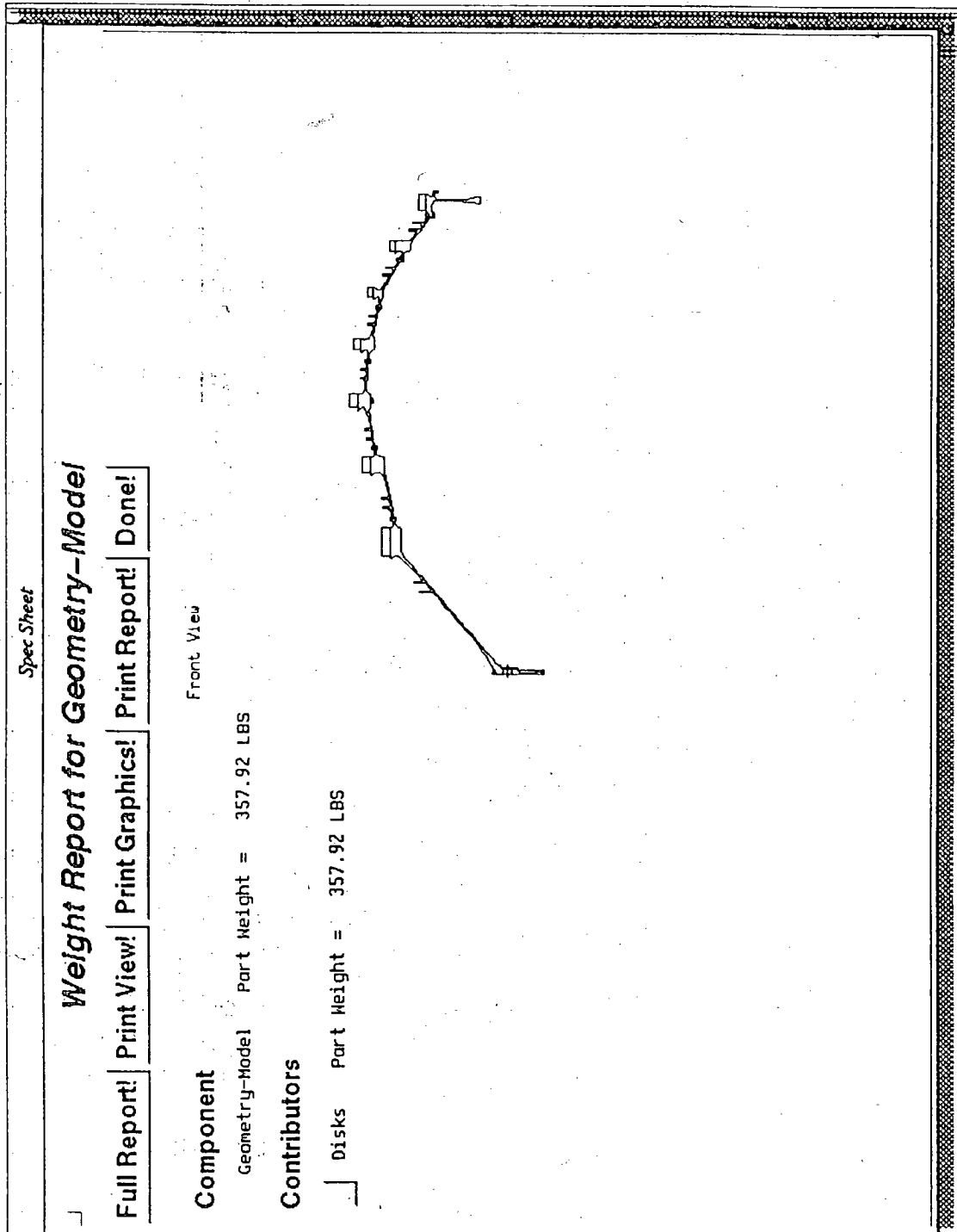


FIG.10

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Output ICAD-to-UG Files

Update! Accept! Validate!

Profile Parts: R0 R1 R2 R3 R4 R5 R6 D

Other Parts: Stick Figure Flowpath Engine Centerline D

Single File?: Yes No D

Ug Output Type: complete cross-section D

Directory: /home/e099935/icad/msrs/lpc/pw4098/ D

Filename Pattern: pw4098-mfpa D

Write UG Prt file!

Single Xess File?: Yes No R

Xess Directory: /home/e099935/icad/msrs/lpc/pw4098/ D

Xess Filename Pattern: pw4098-mfpa D

Write the X-ess parameters!